

# Morbidity and Mortality

Weekly Report

PUBLIC HEALTH SERVICE

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## Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended October 24, 1959

In the report for the week ended October 17, 1959, the issue was shown as Vol. 8, No. 37. It should read Vol. 8, No. 41.

For the week ended October 24, there were 249 cases of poliomyelitis reported. Of these, 193 were paralytic and 43 non-paralytic. For the previous week, the total was 300, including 225 paralytic cases. For the week ended October 25, 1958, the total was 249 cases, of which 157 were paralytic. In 6 of the geographic divisions, there were decreases in the number of paralytic cases reported for the current week, compared with the figures for the previous week. The largest decreases were in the Pacific and South Atlantic Divisions. Only the East North Central area reported a sizable increase, chiefly due to an increase in cases in Illinois.

For each of the last 4 weeks more than 70 percent of the reported cases have been paralytic. Of the cumulative 1959 total of 7,266 cases, 64 percent are in the paralytic category. For the same period in 1958, slightly less than 50 percent of the total number of cases were classified as paralytic.

Dr. H. Kleinman, Minnesota State Department of Health, supplied a summary of the occurrence of poliomyelitis in that State. Sixty-eight of the 169 paralytic cases reported by October 21 were in children under 5 years of age; 48 of the persons were in the age group 5 to 9 years, and 11 in the age group 10 to 14; 4 were 15 to 19 years of age, and 38 over 20 years of age. Thirty-eight of the 169 cases have been in persons who had received 3 or 4 doses of vaccine. There have been 11 deaths reported. Four victims were under 10 years of age, and the others were 19 years of age or older. Type I poliovirus has

Continued on page 2

Table 1. Cases of Specified Notifiable Diseases: Continental United States

(See page 8 for source and nature of data)

DISEASE (Seventh Revision of International Lists, 1955)	42d WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Oct. 24, 1959†	Ended Oct. 25, 1958	Median 1954-58	First 42 weeks			Since seasonal low week			
				1959†	1958	Median 1954-58	1958-59†	1957-58	Median 1953-54 to 1957-58	
Anthrax-----062	-	-	-	12	12	18	(1)	(1)	(1)	(1)
Botulism-----049.1	21	-	-	20	3	10	(1)	(1)	(1)	(1)
Brucellosis (undulant fever)-----044	11	20	23	610	670	890	(1)	(1)	(1)	(1)
Diphtheria-----055	22	38	44	649	596	1,107	261	274	395	July 1
Encephalitis, infectious-----082	52	60	50	1,813	1,972	1,638	1,232	1,378	1,082	June 1
Hepatitis, infectious, and serum-----092, #998.5 pt.	433	335	353	17,973	12,384	15,814	3,195	2,303	2,303	Sept. 1
Malaria-----110-117	1	3	4	65	58	210	(1)	(1)	(1)	(1)
Measles-----085	1,259	2,147	1,779	370,336	716,036	567,449	8,051	11,292	8,599	Sept. 1
Meningococcal infections-----057	29	50	50	1,830	2,124	2,160	266	404	344	Sept. 1
Meningitis, other-----340	175	150	-	4,465	3,524	-	-	-	-	-
Poliomyelitis-----080	249	249	322	7,266	4,882	13,778	6,998	4,695	12,799	Apr. 1
Paralytic-----080.0, 080.1	193	157	157	4,674	2,386	5,880	4,487	2,283	5,349	Apr. 1
Nonparalytic-----080.2	43	65	124	1,968	1,780	5,409	1,923	1,721	5,147	Apr. 1
Unspecified-----080.3	13	27	56	624	716	2,489	588	691	2,303	Apr. 1
Psittacosis-----096.2	-	2	4	88	123	217	(1)	(1)	(1)	(1)
Rabies in man-----094	-	-	-	4	3	5	(1)	(1)	(1)	(1)
Typhoid fever-----040	21	27	29	700	881	1,428	576	715	1,138	Apr. 1
Typhus fever, endemic-----101	1	1	1	39	63	105	33	52	81	Apr. 1
Rabies in animals-----	75	65	68	3,152	3,824	3,925	293	237	273	Oct. 1

†Data exclude report from Montana for the current week.

‡Data show no pronounced seasonal change in incidence.

§Reported in Alaska.

¶Includes 65 cases of aseptic meningitis; see footnotes to table 2.

## Morbidity and Mortality Weekly Report

been isolated from stool specimens of 2 of the fatal cases. The summary included a report of a case of a paralytic disease in a 10-year-old boy from whom Coxsackie B-3 virus was isolated. The boy had received 3 doses of vaccine, the last having been 9 months before onset of symptoms. The paralysis was confined to one leg, and there has been a complete return of function. Coxsackie B-2 virus was isolated from the spinal fluid of an infant who died suddenly on the 7th day after birth. The child's mother had a febrile illness lasting 5 or 6 days. The onset was 2 days before the baby was born. It was reported that a cytopathogenic agent has been isolated, but not yet identified, from 53 cases. The clinical picture in these cases is that of either aseptic meningitis or an undifferentiated febrile illness.

### EPIDEMIOLOGICAL REPORTS

#### Animal rabies

The Connecticut Weekly Health Bulletin dated October 19 states that the first known instance of bat rabies in Connecticut has been confirmed by examination of the brain of a bat submitted to the laboratory by a resident of Westport. The bat was picked up from the ground where it had fallen. This is the first report of rabies in Connecticut this year. One case in a skunk and several cases in foxes were reported during 1957 and 1958. Prior to 1957, however, there had been no animal rabies reported since 1949. There have been no human cases of rabies in Connecticut since 1932.

The Virginia Morbidity Report for the week ended October 17 states that a dead bat found in a residential section of Henrico County was proved by mouse-inoculation tests to have been rabid. Direct examination of the bat's brain revealed findings suspicious but not clearly diagnostic of rabies.

#### Psittacosis

Ora G. Burton, Alameda County (California) Health Department, reported a case of psittacosis in a 75-year-old housewife. The woman suffered from cough, chest pain, weakness, and sweating. The diagnosis of psittacosis was made after serologic tests, in which a 16-fold rise in titer was demonstrated. The woman's neighbor has a canary which had been ill for the last 5 to 6 weeks with diarrhea and excessive thirst. This bird had been purchased from a variety store about 3 years ago. It had not been ill previously, and the owner denied that it had been exposed to any other birds. The bird's owner had not been ill since last September, when she had an acute infection with pleurisy. Tests on the bird are underway.

#### Botulism

Dr. Harry V. Gibson, Director, Alaska Division of Health,

has supplied information on the case of botulism reported for the current week and on the 6 cases reported for the week ending October 17. Preliminary information appeared in the Morbidity and Mortality Weekly Report for the week ended October 10: The case reported for the current week was a fatal case in a 52-year-old Indian man. The food source was reported to be fish eggs, which were prepared by being allowed to ripen for a period of 5 to 7 days and then sealed and stored. The organism was reported to be type E Clostridium botulinum. No other persons were involved. The 6 cases reported earlier were among Eskimo males ranging in age from 20 to 35 years. There was 1 death in this outbreak. The food involved was whale flipper.

#### Salmonellosis

According to the Mississippi Morbidity Report for the week ended October 16, reports received by the State Board of Health indicate an increase in salmonella infections. No association in time or place of the cases is evident as yet. Recent isolates are preponderantly Salmonella typhimurium. However, other reports indicate single cases were caused by several other salmonella species.

#### Gastroenteritis

Dr. Joseph P. Reardon, Massachusetts Department of Public Health, investigated an outbreak of gastroenteritis, in which an unknown number of students at a high school became ill after eating a turkey dinner. The illness appeared to be mild, with diarrhea the predominant feature. No fever was noted by 7 patients who were interviewed. Onset of illness occurred on an average of 12 to 13 hours after the meal. The enrollment at the school is 450; all the students ate the meal, which was part of the school lunch program. There were 63 students absent the day following the serving of this meal—the average number of absentees is 12. Some students were ill, but they were able to attend classes. The menu included creamed turkey, boiled rice, peas, bread and butter, pasteurized milk, and cupcakes. The sauce for the turkey was made from butter, flour, and broth. It was prepared from 1 to 2 hours before serving. The turkey was delivered frozen to the school cafeteria. It was thawed; then it was boiled for 3 hours and refrigerated overnight. The morning of the day of serving, it was boned. After boning, which took about an hour, it was again refrigerated. After the sauce was added, it was replaced in refrigeration until served. None of the 4 foodhandlers reported any recent illnesses, and stool specimens from the foodhandlers and 4 patients were negative for pathogenic organisms. A sample of the creamed turkey was also examined and reported negative for the common enteric pathogens, including clostridium organisms.

# Morbidity and Mortality Weekly Report

**Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 25, 1958, AND OCTOBER 24, 1959**

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955<sup>1</sup>)

AREA	BRUCELLOSIS (undulant fever)		DIPHTHERIA 055				ENCEPHALITIS, INFECTIOUS		HEPATITIS, INFECTIOUS, AND SERUM 092,N998.5 pt.			
	044		42d week		Cumulative first 42 weeks		082		42d week		Cumulative first 42 weeks	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES <sup>1</sup> -----	11	20	22	38	649	596	52	60	433	335	17,973	12,384
NEW ENGLAND-----	-	-	-	-	5	6	1	2	20	13	589	473
Maine-----	-	-	-	-	-	-	-	-	-	1	86	62
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	15	2
Vermont-----	-	-	-	-	-	-	-	-	-	4	23	24
Massachusetts-----	-	-	-	-	5	5	1	1	12	6	289	233
Rhode Island-----	-	-	-	-	-	-	-	1	2	2	60	60
Connecticut-----	-	-	-	-	-	1	-	-	6	-	116	92
MIDDLE ATLANTIC-----	-	1	1	-	48	34	16	7	59	42	2,687	1,682
New York-----	-	1	1	-	25	16	6	6	31	26	1,592	1,135
New Jersey-----	-	-	-	-	9	2	3	-	7	1	291	134
Pennsylvania-----	-	-	-	-	14	16	7	1	21	15	804	413
EAST NORTH CENTRAL-----	3	-	-	-	27	34	8	3	52	53	2,821	2,126
Ohio-----	-	-	-	-	9	7	1	1	13	16	826	663
Indiana-----	-	-	-	-	4	14	6	-	2	9	254	194
Illinois-----	3	-	-	-	9	6	1	1	18	15	624	519
Michigan-----	-	-	-	-	3	6	-	-	13	7	940	566
Wisconsin-----	-	-	-	-	2	1	-	1	6	6	177	184
WEST NORTH CENTRAL-----	4	13	1	3	47	101	3	10	40	38	1,397	1,039
Minnesota-----	2	-	1	-	21	43	-	-	19	8	350	147
Iowa-----	2	-	-	1	3	14	2	1	3	1	123	181
Missouri-----	-	1	-	-	6	14	-	-	6	13	377	210
North Dakota-----	-	-	-	-	2	3	-	-	7	11	280	187
South Dakota-----	-	2	-	2	3	15	-	-	3	1	48	15
Nebraska-----	-	1	-	-	12	10	-	-	2	-	70	69
Kansas-----	-	9	-	-	-	2	1	9	-	4	149	230
SOUTH ATLANTIC-----	1	2	10	20	199	180	3	7	46	57	1,625	964
Delaware-----	-	-	-	-	-	-	-	-	1	3	98	47
Maryland-----	-	-	-	-	7	3	1	-	6	4	343	113
District of Columbia-----	-	-	-	-	-	2	-	-	-	2	15	18
Virginia-----	1	-	-	5	12	25	-	-	16	7	404	238
West Virginia-----	-	-	-	-	2	10	-	-	9	1	258	135
North Carolina-----	-	-	1	3	19	20	-	1	-	8	97	54
South Carolina-----	-	-	3	1	27	27	-	-	1	-	45	37
Georgia-----	-	2	2	11	59	63	2	5	-	25	117	117
Florida-----	-	-	4	-	73	30	-	1	13	7	248	205
EAST SOUTH CENTRAL-----	2	2	1	5	75	61	2	3	57	12	1,703	1,045
Kentucky-----	-	-	-	-	9	4	1	-	40	-	796	504
Tennessee-----	2	1	-	1	7	6	1	-	5	4	394	278
Alabama-----	-	-	1	4	19	29	-	-	11	2	376	187
Mississippi-----	-	1	-	-	40	22	-	3	1	6	137	76
WEST SOUTH CENTRAL-----	-	1	9	9	215	136	9	16	42	23	1,453	970
Arkansas-----	-	-	-	1	37	19	1	2	-	1	73	92
Louisiana-----	-	1	5	5	59	51	-	-	3	-	108	10
Oklahoma-----	-	-	-	-	2	22	-	-	14	2	204	127
Texas-----	-	-	4	3	117	44	8	14	25	20	1,068	741
MOUNTAIN <sup>1</sup> -----	-	-	-	1	18	32	2	4	40	34	2,332	1,651
Montana-----	-	-	-	-	1	8	-	-	-	9	205	354
Idaho-----	-	-	-	-	-	1	-	1	4	1	276	157
Wyoming-----	-	-	-	-	-	2	-	1	-	1	50	10
Colorado-----	-	-	-	-	7	7	-	-	15	10	718	222
New Mexico-----	-	-	-	1	8	11	-	1	4	4	430	276
Arizona-----	-	-	-	-	2	3	-	-	10	9	461	403
Utah-----	-	-	-	-	-	-	2	1	7	-	171	149
Nevada-----	-	-	-	-	1	-	-	-	-	-	21	100
PACIFIC-----	1	1	-	-	15	12	8	8	77	63	3,366	2,434
Alaska-----	-	-	-	-	5	-	-	-	-	-	67	(69)
Washington-----	-	-	-	-	-	-	-	-	12	7	457	389
Oregon-----	-	1	-	-	4	7	1	1	24	8	701	363
California-----	1	-	-	-	6	5	7	7	41	48	2,141	1,682
Hawaii-----	-	-	-	-	2	-	-	-	1	-	43	56
Puerto Rico-----	-	-	-	-	26	42	-	-	-	4	242	134

<sup>1</sup>Data exclude report from Montana for the current week.

4 Morbidity and Mortality Weekly Report

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 25, 1958, AND OCTOBER 24, 1959—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

AREA	POLIOMYELITIS 080										MEASLES	
	Total <sup>2</sup>				Paralytic 080.0,080.1				Nonparalytic		085	
	42d week		Cumulative first 42 weeks		42d week		Cumulative first 42 weeks		080.2		085	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES <sup>1</sup> -----	249	249	7,266	4,882	193	157	4,674	2,386	43	65	1,259	2,147
NEW ENGLAND-----	20	4	317	85	19	4	243	51	1	-	82	122
Maine-----	6	2	59	4	6	2	59	4	-	-	18	12
New Hampshire-----	-	-	4	4	-	-	3	-	-	-	1	-
Vermont-----	-	-	5	5	-	-	5	4	-	-	13	7
Massachusetts-----	8	-	133	28	8	-	97	12	-	-	44	27
Rhode Island-----	2	-	8	3	2	-	6	3	-	-	-	-
Connecticut-----	4	2	108	41	3	2	73	28	1	-	6	76
MIDDLE ATLANTIC-----	39	28	665	602	32	17	420	325	3	8	123	587
New York-----	29	16	393	248	23	8	228	152	2	6	89	66
New Jersey-----	5	10	127	265	5	7	84	104	-	2	18	75
Pennsylvania-----	5	2	145	89	4	2	108	69	1	-	16	446
EAST NORTH CENTRAL-----	41	88	1,085	1,774	27	38	450	652	9	36	279	285
Ohio-----	8	16	241	323	6	6	106	94	-	-	38	59
Indiana-----	3	4	136	106	1	3	81	53	2	1	2	34
Illinois-----	20	9	261	202	16	7	130	68	2	1	82	49
Michigan-----	9	57	405	1,090	3	20	111	417	5	34	62	60
Wisconsin-----	1	2	42	53	1	2	22	20	-	-	95	83
WEST NORTH CENTRAL-----	35	23	1,425	319	25	17	738	152	9	5	78	144
Minnesota-----	7	1	216	27	7	1	174	20	-	-	46	1
Iowa-----	4	-	424	58	3	-	183	17	-	-	6	86
Missouri-----	21	19	449	126	13	16	248	85	8	3	2	11
North Dakota-----	-	-	13	40	-	-	6	22	-	-	22	40
South Dakota-----	-	1	13	8	-	-	-	1	-	-	-	-
Nebraska-----	1	2	131	29	-	-	67	3	1	2	2	6
Kansas-----	2	-	179	31	2	-	60	4	-	-	(*)	(*)
SOUTH ATLANTIC-----	42	34	1,103	708	35	25	863	385	5	4	49	258
Delaware-----	-	1	8	21	-	1	7	12	-	-	2	-
Maryland-----	2	2	36	18	2	2	35	16	-	-	9	5
District of Columbia-----	-	-	6	5	-	-	5	3	-	-	-	-
Virginia-----	11	4	266	125	10	4	221	103	1	-	7	33
West Virginia-----	6	10	164	170	5	7	133	106	1	3	25	100
North Carolina-----	9	4	238	89	8	4	202	33	1	-	1	15
South Carolina-----	2	1	76	21	2	1	41	12	-	-	1	4
Georgia-----	6	11	139	51	4	5	106	27	2	1	-	55
Florida-----	6	1	170	208	4	1	113	73	-	-	4	26
EAST SOUTH CENTRAL-----	24	13	757	291	16	8	573	133	8	5	58	113
Kentucky-----	7	5	87	48	1	4	70	36	6	1	12	50
Tennessee-----	8	2	332	97	7	-	248	58	1	2	43	59
Alabama-----	5	3	233	37	5	1	197	29	-	2	2	4
Mississippi-----	4	3	105	109	3	3	58	30	1	-	1	-
WEST SOUTH CENTRAL-----	22	38	1,050	622	17	34	686	403	5	4	182	161
Arkansas-----	6	3	283	22	5	3	217	20	1	-	2	27
Louisiana-----	-	4	123	74	-	3	85	50	-	1	7	-
Oklahoma-----	-	1	141	54	-	1	80	21	-	-	1	-
Texas-----	16	30	503	472	12	27	304	312	4	3	172	134
MOUNTAIN <sup>1</sup> -----	4	8	168	168	1	2	96	80	2	2	162	261
Montana-----	-	-	17	60	-	-	12	40	-	-	-	99
Idaho-----	-	-	6	11	-	-	-	-	-	-	32	9
Wyoming-----	-	1	2	6	-	-	1	1	-	-	25	2
Colorado-----	-	-	24	18	-	-	17	13	-	-	6	91
New Mexico-----	-	-	37	27	-	-	22	10	-	-	46	20
Arizona-----	3	6	78	30	1	1	49	10	2	2	17	24
Utah-----	1	-	9	11	-	-	2	4	-	-	36	10
Nevada-----	-	1	5	5	-	1	3	2	-	-	-	6
PACIFIC-----	22	13	696	313	21	12	605	205	1	1	246	236
Alaska-----	1	-	19	(2)	1	-	13	(1)	-	-	28	(19)
Washington-----	7	-	167	31	7	-	167	3	-	-	145	32
Oregon-----	5	1	145	35	5	1	114	22	-	-	36	51
California-----	9	12	365	247	8	11	311	180	1	1	37	153
Hawaii-----	-	2	5	73	-	2	5	73	-	-	62	4
Puerto Rico-----	-	-	4	53	-	-	3	50	-	-	11	106

<sup>1</sup>Data exclude report from Montana for the current week.

<sup>2</sup>Includes cases not specified by type, category number 080.3.

# Morbidity and Mortality Weekly Report

5

**Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 25, 1958, AND OCTOBER 24, 1959—Continued**

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

AREA	MALARIA		MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER	PSITTA-COSIS	TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC	RABIES IN ANIMALS	
	110-117		057		340	096.2	42d week		Cumulative first 42 weeks		101	1959	1958
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1959	1958
CONT. UNITED STATES <sup>1</sup> -----	1	29	50	175	-	-	21	27	700	881	1	75	65
NEW ENGLAND-----	-	4	6	5	-	-	-	-	15	17	-	-	-
Maine-----	-	-	-	-	-	-	-	-	2	1	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	1	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	-	2	3	5	-	-	-	-	5	9	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	-	3	1	-	-	-
Connecticut-----	-	2	3	-	-	-	-	-	5	5	-	-	-
MIDDLE ATLANTIC-----	-	1	5	12	-	7	1	74	94	-	-	16	12
New York-----	-	-	2	3 <sup>8</sup>	-	1	1	32	31	-	-	13	12
New Jersey-----	-	1	-	4	-	2	-	12	18	-	-	-	-
Pennsylvania-----	-	-	3	-	-	4	-	30	45	-	-	3	-
EAST NORTH CENTRAL-----	-	9	13	36	-	2	2	90	95	-	-	4	8
Ohio-----	-	3	-	14	-	1	-	47	36	-	-	-	-
Indiana-----	-	-	-	4	-	-	-	13	15	-	-	3	4
Illinois-----	-	4	5	13	-	-	-	17	22	-	-	1	1
Michigan-----	-	2	6	3	-	-	2	8	13	-	-	-	-
Wisconsin-----	-	-	2	4 <sup>2</sup>	-	1	-	5	9	-	-	-	3
WEST NORTH CENTRAL-----	-	3	7	46	-	-	1	44	71	-	-	10	17
Minnesota-----	-	1	1	2	-	-	-	1	3	-	-	3	6
Iowa-----	-	-	1	5 <sup>16</sup>	-	-	-	8	14	-	-	1	3
Missouri-----	-	1	1	1	-	-	1	15	33	-	-	5	2
North Dakota-----	-	-	1	-	-	-	-	5	2	-	-	1	3
South Dakota-----	-	-	-	-	-	-	-	3	7	-	-	-	-
Nebraska-----	-	-	2	-	-	-	-	5	2	-	-	-	3
Kansas-----	-	1	1	4 <sup>27</sup>	-	-	-	7	10	-	-	-	-
SOUTH ATLANTIC-----	-	3	6	20	-	2	3	124	151	1	-	16	16
Delaware-----	-	1	-	-	-	-	-	1	5	-	-	-	-
Maryland-----	-	1	1	2	-	-	-	5	9	-	-	-	-
District of Columbia-----	-	-	-	2	-	-	-	4	6	-	-	-	-
Virginia-----	-	1	1	3	-	1	1	25	32	-	-	9	2
West Virginia-----	-	-	-	4	-	1	-	13	19	-	-	1	-
North Carolina-----	-	-	2	-	-	-	-	11	17	1	-	2	1
South Carolina-----	-	-	-	-	-	-	1	11	10	-	-	-	3
Georgia-----	-	-	1	-	-	-	-	27	31	-	-	3	7
Florida-----	-	-	1	4 <sup>9</sup>	-	-	1	27	22	-	-	1	3
EAST SOUTH CENTRAL-----	-	3	8	16	-	3	6	95	109	-	-	5	4
Kentucky-----	-	1	1	9	-	-	2	16	31	-	-	-	3
Tennessee-----	-	2	3	2	-	1	1	50	32	-	-	2	1
Alabama-----	-	-	-	-	-	2	3	13	19	-	-	3	-
Mississippi-----	-	-	4	5	-	-	-	16	27	-	-	-	-
WEST SOUTH CENTRAL-----	-	3	-	16	-	3	6	142	208	-	-	22	8
Arkansas-----	-	-	-	3	-	2	1	30	27	-	-	7	2
Louisiana-----	-	-	-	-	-	-	2	16	74	-	-	3	-
Oklahoma-----	-	-	-	-	-	-	1	16	9	-	-	-	-
Texas-----	-	3	-	13	-	1	2	80	98	-	-	12	6
MOUNTAIN <sup>1</sup> -----	-	1	2	4	-	1	4	40	66	-	-	2	-
Montana-----	-	-	-	-	-	-	1	12	4	-	-	-	-
Idaho-----	-	1	-	-	-	1	-	5	6	-	-	-	-
Wyoming-----	-	-	-	-	-	-	-	7	3	-	-	-	-
Colorado-----	-	-	2	3	-	-	-	4	8	-	-	-	-
New Mexico-----	-	-	-	1	-	-	2	15	27	-	-	2	-
Arizona-----	-	-	-	-	-	-	1	6	10	-	-	-	-
Utah-----	-	-	-	-	-	-	-	1	-	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	8	-	-	-	-
PACIFIC-----	1	2	3	20	-	3	4	76	70	-	-	-	-
Alaska-----	-	-	-	-	-	-	-	4	-	-	-	-	-
Washington-----	-	1	-	2	-	-	-	2	3	-	-	-	-
Oregon-----	-	-	-	1	-	-	1	7	11	-	-	-	-
California-----	1	1	3	4 <sup>17</sup>	-	3	3	63	56	-	-	-	-
Hawaii-----	-	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico-----	-	-	-	1	-	1	-	16	-	-	-	1	-

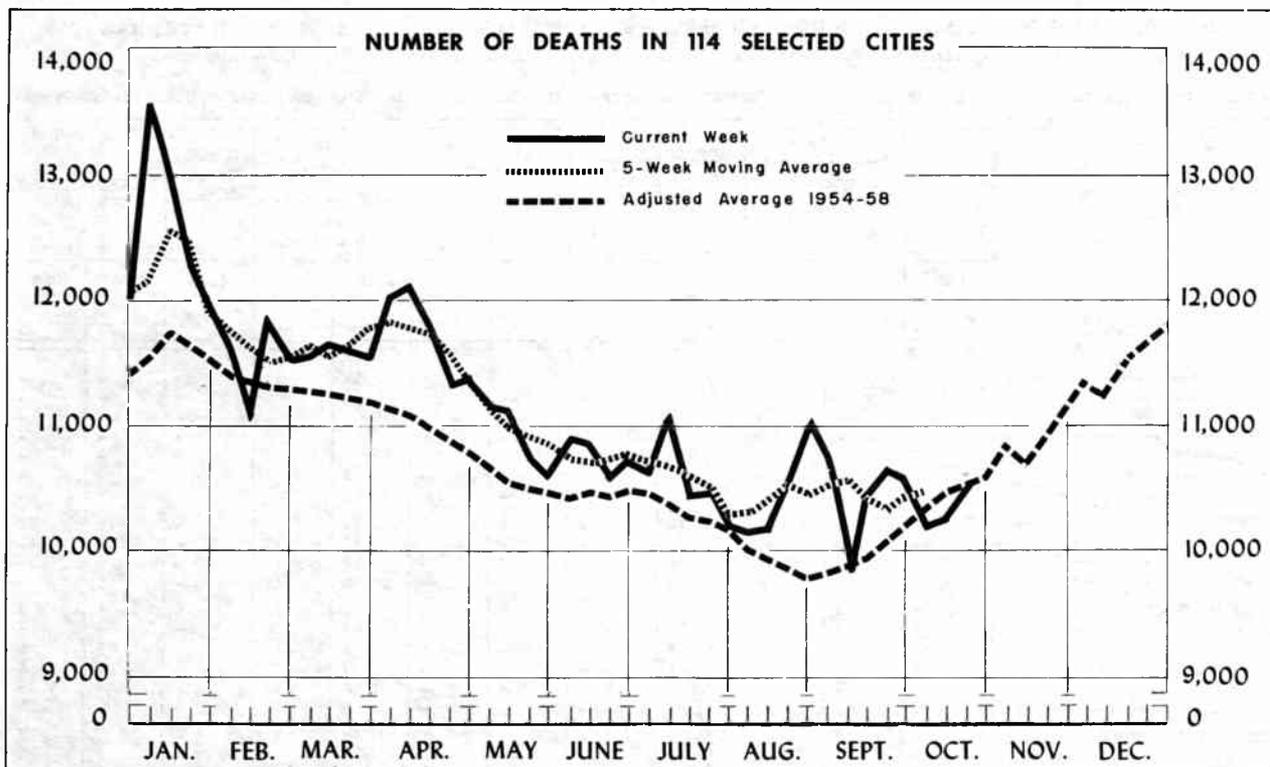
<sup>1</sup>Data exclude report from Montana for the current week.

<sup>2</sup>Includes 5 cases of aseptic meningitis.

<sup>4</sup>Aseptic meningitis.

<sup>5</sup>Includes 1 case of aseptic meningitis.

## Morbidity and Mortality Weekly Report



The chart shows the number of deaths reported for 114 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week and an adjusted average, 1954-58, for comparison. The adjusted average is computed as follows: From the total deaths reported each week for the years 1954-58, 3 central figures are selected by eliminating the highest and lowest figures reported for that week. A 5-week moving average of the arithmetic means of the 3 central figures is then computed. The adjusted average shown in the chart is this moving average increased by 2.3 percent to allow for estimated population growth in the cities.

The use of the adjusted average is based on the assumption that the crude death rate and changes in population will remain at the level of recent years. No allowance has been made for increased use of city hospital facilities.

Table 4 shows the number of death certificates received during the week indicated for deaths that occurred in a specified city. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week an estimate is made for use in plotting the figure in the chart.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations, and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN 114 SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence, and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

AREA	42d week ended Oct. 24, 1959	41st week ended Oct. 17, 1959	Adjusted average, 42d week 1954-58	Percent change, adjusted average to current week <sup>1</sup>	CUMULATIVE NUMBER FIRST 42 WEEKS		
					1959	1958	Percent change
TOTAL, REPORTING CITIES-----	<sup>2</sup> 10,550	10,287	10,534	+0.2	<sup>2</sup> 466,382	463,354	+0.7
New England----- (14 cities)	<sup>2</sup> 662	632	694	-4.6	<sup>2</sup> 29,519	29,291	+0.8
Middle Atlantic----- (20 cities)	<sup>2</sup> 2,972	2,709	3,149	-5.6	<sup>2</sup> 134,703	135,761	+0.7
East North Central----- (19 cities)	2,230	2,284	2,295	-2.8	99,750	98,976	+0.8
West North Central----- (9 cities)	753	775	748	+0.7	32,431	32,614	-0.6
South Atlantic----- (11 cities)	<sup>2</sup> 921	934	878	+4.9	<sup>2</sup> 40,110	40,143	-0.1
East South Central----- (8 cities)	491	516	471	+4.2	21,412	21,553	-0.7
West South Central----- (13 cities)	<sup>2</sup> 911	842	830	+9.8	<sup>2</sup> 39,220	39,334	-0.3
Mountain----- (8 cities)	281	331	261	+7.7	13,062	12,349	+5.8
Pacific----- (12 cities)	<sup>2</sup> 1,329	1,264	1,260	+5.5	<sup>2</sup> 56,175	55,333	+1.5

<sup>1</sup>Adjusted average used as base.

<sup>2</sup>Includes estimates for missing cities.

# Morbidity and Mortality Weekly Report

Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence, and week of filing certificate. Excludes fetal deaths)

AREA	42d week ended Oct. 24, 1959	41st week ended Oct. 17, 1959	CUMULATIVE NUMBER FIRST 42 WEEKS		AREA	42d week ended Oct. 24, 1959	41st week ended Oct. 17, 1959	CUMULATIVE NUMBER FIRST 42 WEEKS	
			1959	1958				1959	1958
<b>NEW ENGLAND:</b>					<b>WEST NORTH CENTRAL—Con.:</b>				
Boston, Mass.-----	227	219	10,075	10,022	St. Louis, Mo.-----	217	226	9,813	10,133
Bridgeport, Conn.-----	<sup>1</sup> 46	36	<sup>2</sup> 1,671	1,578	St. Paul, Minn.-----	79	63	2,723	2,957
Cambridge, Mass.-----	32	28	1,185	1,204	Wichita, Kans.-----	43	43	1,989	1,875
Fall River, Mass.-----	25	33	1,180	1,134	<b>SOUTH ATLANTIC:</b>				
Hartford, Conn.-----	43	44	2,039	2,097	Atlanta, Ga.-----	104	107	4,622	4,583
Lowell, Mass.-----	16	14	973	1,075	Baltimore, Md.-----	230	236	10,100	10,250
Lynn, Mass.-----	30	23	981	945	Charlotte, N. C.-----	<sup>1</sup> 34	29	<sup>2</sup> 1,516	1,449
New Bedford, Mass.-----	24	19	1,000	967	Jacksonville, Fla.-----	53	50	2,386	2,477
New Haven, Conn.-----	38	33	1,859	1,906	Miami, Fla.-----	78	67	2,917	2,976
Providence, R. I.-----	71	59	2,702	2,687	Norfolk, Va.-----	36	43	1,649	1,463
Somerville, Mass.-----	10	8	537	593	Richmond, Va.-----	70	82	3,260	3,155
Springfield, Mass.-----	42	46	1,863	1,758	Savannah, Ga.-----	30	27	1,384	1,370
Waterbury, Conn.-----	25	27	1,163	1,095	St. Petersburg, Fla.-----	(66)	(74)	(2,708)	(2,668)
Worcester, Mass.-----	33	43	2,291	2,230	Tampa, Fla.-----	69	58	2,618	2,714
<b>MIDDLE ATLANTIC:</b>					<b>EAST SOUTH CENTRAL:</b>				
Albany, N. Y.-----	49	35	2,147	2,059	Birmingham, Ala.-----	79	104	3,443	3,619
Allentown, Pa.-----	37	29	1,442	1,346	Chattanooga, Tenn.-----	56	50	1,933	1,996
Buffalo, N. Y.-----	138	137	6,050	6,262	Knoxville, Tenn.-----	28	28	1,203	1,119
Camden, N. J.-----	24	35	1,725	1,741	Louisville, Ky.-----	94	110	4,731	4,579
Elizabeth, N. J.-----	31	34	1,248	1,228	Memphis, Tenn.-----	105	127	4,704	4,796
Erie, Pa.-----	38	35	1,527	1,469	Mobile, Ala.-----	29	25	1,610	1,587
Jersey City, N. J.-----	<sup>1</sup> 72	55	<sup>2</sup> 3,077	2,915	Montgomery, Ala.-----	44	34	1,378	1,405
Newark, N. J.-----	82	103	4,171	3,976	Nashville, Tenn.-----	56	38	2,410	2,452
New York City, N. Y.-----	1,506	1,392	68,957	67,578	<b>WEST SOUTH CENTRAL:</b>				
Paterson, N. J.-----	32	44	1,615	1,711	Austin, Tex.-----	33	41	1,337	1,363
Philadelphia, Pa.-----	444	367	20,520	21,013	Baton Rouge, La.-----	21	24	1,123	1,171
Pittsburgh, Pa.-----	177	149	7,757	7,987	Corpus Christi, Tex.-----	33	19	878	883
Reading, Pa.-----	<sup>1</sup> 23	20	<sup>2</sup> 931	892	Dallas, Tex.-----	123	115	4,946	4,788
Rochester, N. Y.-----	<sup>1</sup> 99	89	<sup>2</sup> 4,063	4,234	El Paso, Tex.-----	<sup>1</sup> 25	36	<sup>2</sup> 1,515	1,495
Schenectady, N. Y.-----	27	26	1,037	934	Fort Worth, Tex.-----	68	51	2,627	2,517
Scranton, Pa.-----	35	14	1,511	1,441	Houston, Tex.-----	166	150	6,486	6,595
Syracuse, N. Y.-----	56	59	2,639	2,609	Little Rock, Ark.-----	35	46	2,247	2,272
Trenton, N. J.-----	34	30	1,792	1,948	New Orleans, La.-----	156	175	7,021	7,253
Utica, N. Y.-----	<sup>1</sup> 33	29	<sup>2</sup> 1,176	1,142	Oklahoma City, Okla.-----	87	53	2,908	2,827
Yonkers, N. Y.-----	35	27	1,318	1,276	San Antonio, Tex.-----	83	85	3,973	4,045
<b>EAST NORTH CENTRAL:</b>					<b>MOUNTAIN:</b>				
Akron, Ohio-----	61	45	2,450	2,356	Albuquerque, N. Mex.-----	35	24	1,256	1,174
Canton, Ohio-----	31	25	1,397	1,301	Colorado Springs, Colo.-----	13	17	645	625
Chicago, Ill.-----	716	728	31,528	31,454	Denver, Colo.-----	94	116	4,802	4,677
Cincinnati, Ohio-----	153	156	6,663	6,730	Ogden, Utah-----	9	17	641	615
Cleveland, Ohio-----	189	213	8,741	8,718	Phoenix, Ariz.-----	44	63	2,140	1,858
Columbus, Ohio-----	128	106	4,899	4,819	Pueblo, Colo.-----	14	13	580	545
Dayton, Ohio-----	67	63	2,813	3,007	Salt Lake City, Utah-----	49	47	2,013	2,009
Detroit, Mich.-----	296	317	13,665	13,263	Tucson, Ariz.-----	23	34	985	846
Evansville, Ind.-----	24	38	1,525	1,604	<b>PACIFIC:</b>				
Flint, Mich.-----	33	52	1,689	1,565	Berkeley, Calif.-----	16	17	708	778
Fort Wayne, Ind.-----	37	43	1,521	1,442	Fresno, Calif.-----	(56)	(41)	(1,686)	(1,635)
Gary, Ind.-----	21	28	1,230	1,322	Glendale, Calif.-----	(52)	(30)	(1,522)	(1,381)
Grand Rapids, Mich.-----	35	41	1,748	1,705	Long Beach, Calif.-----	46	36	2,267	2,288
Indianapolis, Ind.-----	114	117	5,765	5,443	Los Angeles, Calif.-----	455	489	20,119	20,164
Madison, Wis.-----	(37)	(21)	(1,240)	(1,369)	Oakland, Calif.-----	97	77	3,789	3,881
Milwaukee, Wis.-----	117	123	5,330	5,503	Pasadena, Calif.-----	<sup>1</sup> 28	32	<sup>2</sup> 1,316	1,455
Peoria, Ill.-----	31	30	1,221	1,351	Portland, Oreg.-----	138	93	4,651	4,122
Rockford, Ill.-----	(19)	(30)	(1,156)	(1,080)	Sacramento, Calif.-----	59	57	2,313	2,155
South Bend, Ind.-----	29	20	1,143	1,109	San Diego, Calif.-----	63	95	3,414	3,435
Toledo, Ohio-----	95	94	4,172	4,091	San Francisco, Calif.-----	206	126	8,094	7,886
Youngstown, Ohio-----	53	45	2,250	2,193	San Jose, Calif.-----	---	(23)	---	(945)
<b>WEST NORTH CENTRAL:</b>					<b>HONOLULU, HAWAII:</b>				
Des Moines, Iowa-----	49	60	2,238	2,267	Seattle, Wash.-----	138	145	5,715	5,634
Duluth, Minn.-----	38	31	1,051	1,036	Spokane, Wash.-----	46	57	2,080	1,909
Kansas City, Kans.-----	25	35	1,493	1,146	Tacoma, Wash.-----	37	40	1,709	1,626
Kansas City, Mo.-----	105	119	4,994	5,051	<b>(30) (41) (1,593) (1,536)</b>				
Lincoln, Nebr.-----	(30)	(29)	(1,083)	(1,051)					
Minneapolis, Minn.-----	127	123	5,162	5,249					
Omaha, Nebr.-----	70	75	2,968	2,900					

<sup>1</sup>Estimated.

<sup>2</sup>Includes estimate for current week.

# Morbidity and Mortality Weekly Report

## QUARANTINE MEASURES

Immunization Information for International Travel  
Public Health Service Publication No. 384 (1959)

### Changes Reported

Asia.—Pakistan (p. 42). Yellow fever vaccination is now required of all arrivals from endemic and infected areas. The requirements apply to travelers arriving from an endemic zone or a territory considered as infected by the Government of Pakistan, namely:

**AFRICA:** Angola, Bechuanaland, Belgian Congo, Camerouns, Ethiopia, French Equatorial Africa, French Somaliland, French West Africa, Gambia, Ghana, Guinea, Islands of the Gulf of Guinea, Kenya, Liberia, Nigeria, Northern Rhodesia, Nyasaland, Portuguese Guinea, Sierra Leone, Somalia, Somaliland Protectorate, Spanish Guinea, Sudan (south of 15° N. lat.), Tanganyika, Togo, Uganda, Zanzibar.

**AMERICA:** Bolivia, Brazil, Colombia, Costa Rica, Ecuador, Guatemala, Guianas (British, French, and Surinam), Honduras (Republic), Nicaragua, Panama (Republic and Canal Zone), Peru, Trinidad and Tobago, Venezuela.

The validity of the certificate shall extend for a period of 6 years beginning 10 days after the date of vaccination or, in the event of a revaccination within such period of 6 years, from the date of that revaccination. For persons vaccinated in an infected area and those vaccinated outside an infected area but who enter an infected area within 10 days of vaccination, the certificate is valid only after 12 days (does not apply to revaccinations within 6 years).

**ARRIVALS BY AIR**—The certificate is not required from passengers coming from a noninfected area if they set out in an aircraft which has been disinfected in accordance with Schedule VIII of Rule 10 of the Pakistan Aircraft (Public Health) Rules, 1950, after its last departure from an infected area, and who arrive in Pakistan without the aircraft having landed in an infected area en route.

All arrivals from the West are required to complete a Personal Declaration of Origin and Health giving information on their movements during the 9 days prior to arrival.

**ARRIVALS BY SEA**—For all passengers and crew aboard a vessel which has started from or touched at any port on the East Coast of Africa between the northernmost limit of Ethiopia and the southernmost limit of Tanganyika, the certificate is valid only after 12 days (does not apply to revaccinations within 6 years).

All other information remains the same.

## SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from health departments of each State and of Hawaii and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Cumulative totals are routinely revised to include corrected and revised figures and delayed reports. In table 1, data for Alaska are included for 1959 but not for prior years. In table 2, total figures for the United States and the Pacific Division include figures for Alaska for 1959 only. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) are reported, this will be noted below table 1.

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### EXPLANATION OF SYMBOLS USED IN TABLES

Data not available-----	---
Quantity zero-----	-
Percent more than 0 but less than 0.05-----	0.0
Disease stated not notifiable-----	*
Figures within parentheses not included in totals--	( )

POSTAGE AND FEES PAID  
U. S. DEPARTMENT OF H. E. W.